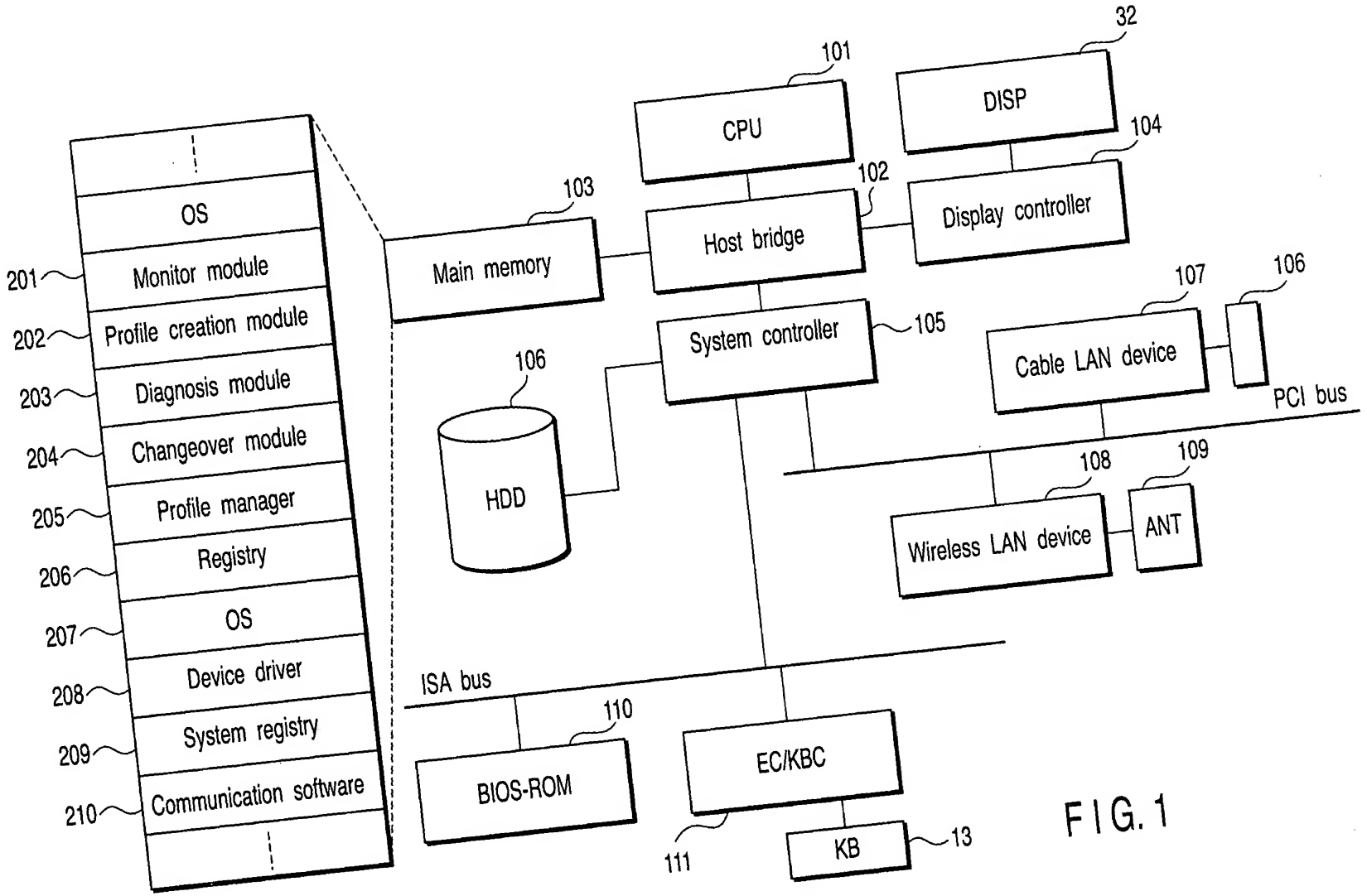
OS
Monitor module
Profile creation module
Diagnosis module
Changeover module
Profile manager
Registry
OS
Device driver
System registry
Communication software
201
202
203
204
205
206
207
208
209
210
CPU
101
DISP
32
Display controller
104
Host bridge
102
Main memory
103
System controller
105
HDD
106
Cable LAN device
107
106
PCI bus
Wireless LAN device
108
ANT
109
ISA bus
BIOS-ROM
110
EC/KBC
111
KB
13

FIG. 1

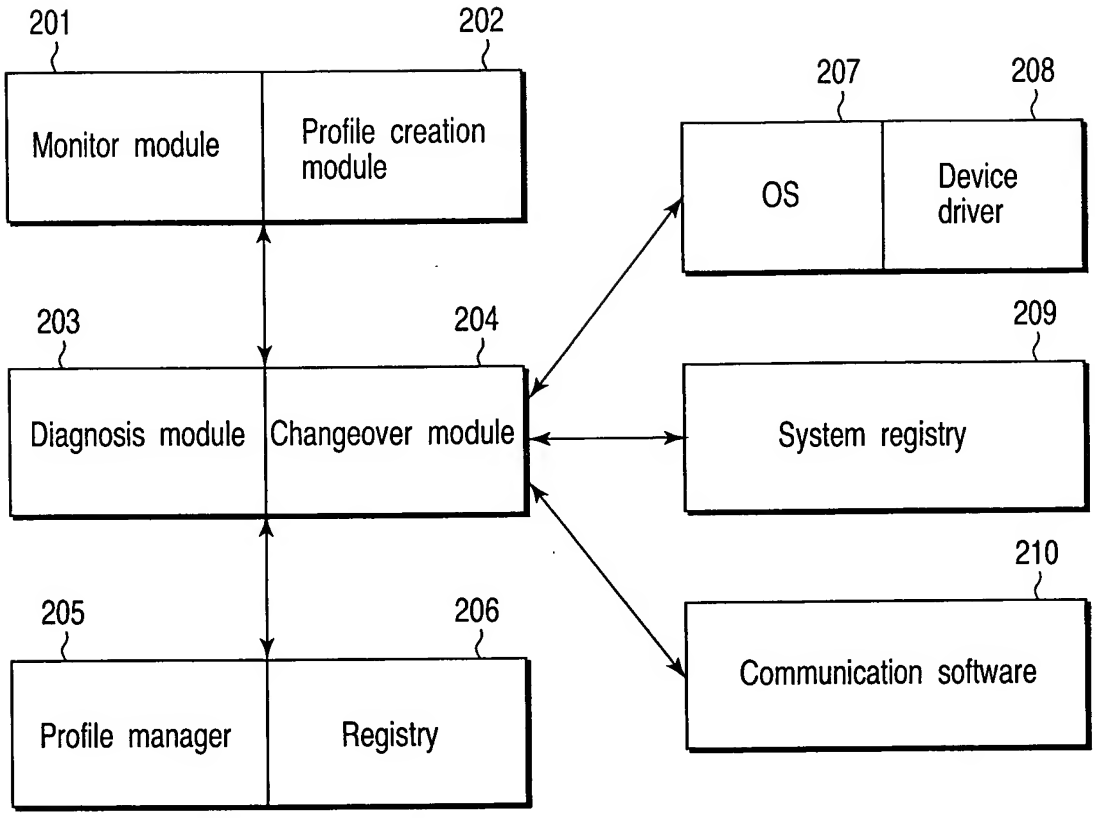
201
202
Monitor module
Profile creation module
207
208
OS
Device driver
203
204
209
Diagnosis module
Changeover module
System registry
210
205
206
Communication software
Profile manager
Registry

FIG. 2

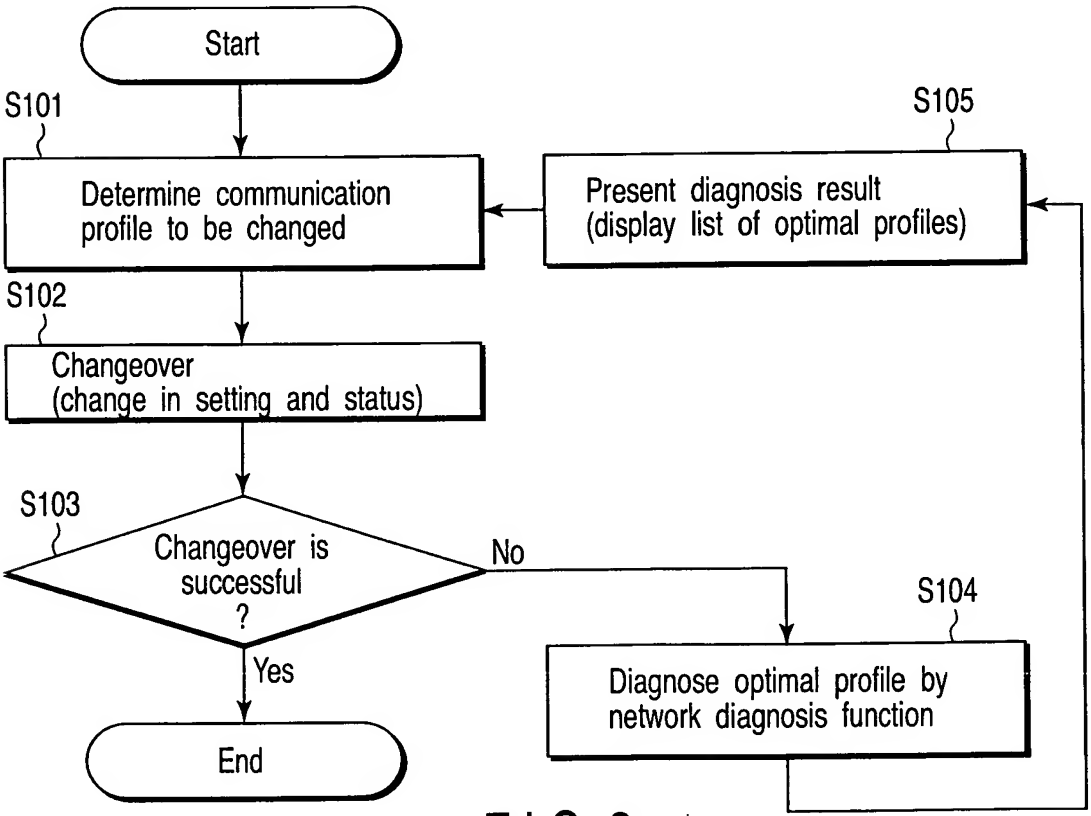
Start
S101
S105
Determine communication profile to be changed
Present diagnosis result (display list of optimal profiles)
S102
Changeover (change in setting and status)
S103
Changeover is successful ?
No
S104
Yes
Diagnose optimal profile by network diagnosis function
End

FIG. 3

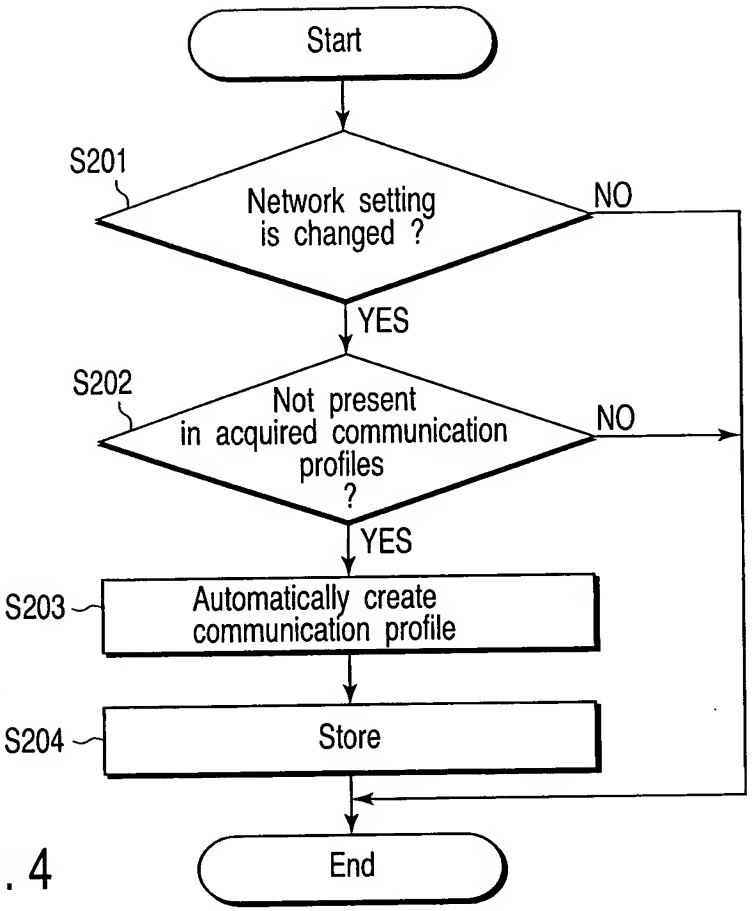
Start
S201
Network setting is changed ?
NO
YES
S202
Not present in acquired communication profiles ?
NO
YES
S203
Automatically create communication profile
S204
Store
End

FIG. 4

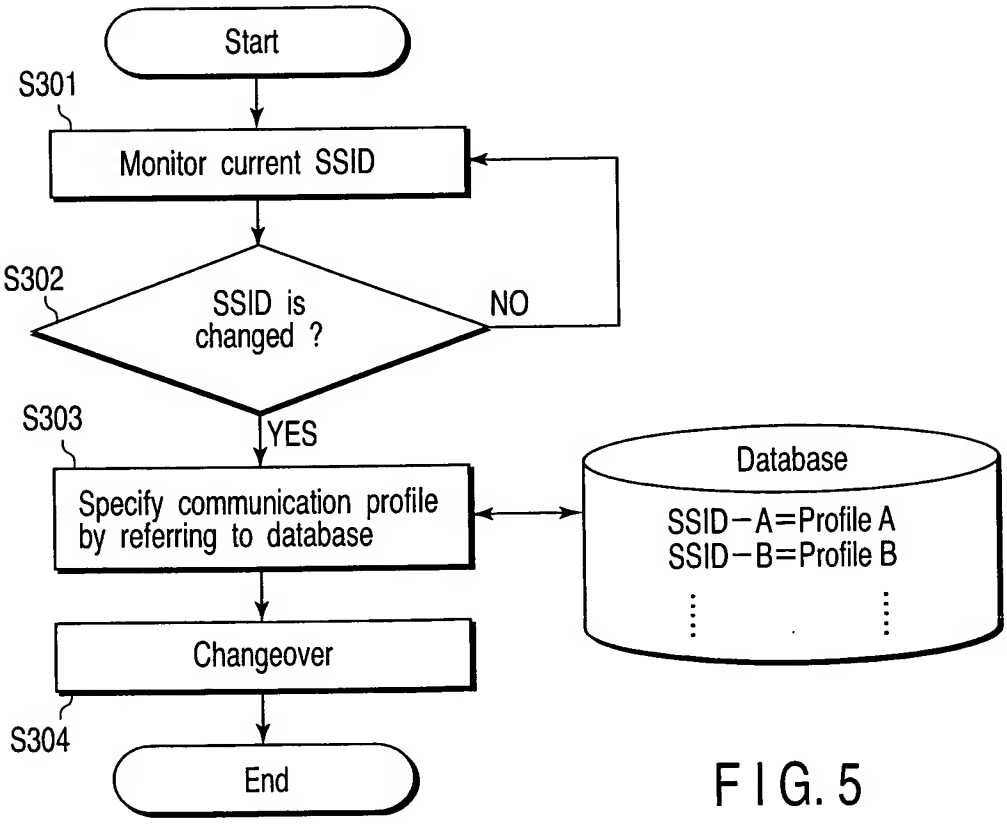
Start
S301
Monitor current SSID
S302
SSID is changed ?
NO
YES
S303
Specify communication profile by referring to database
Changeover
S304
End
Database
SSID−A=Profile A
SSID−B=Profile B

FIG. 5

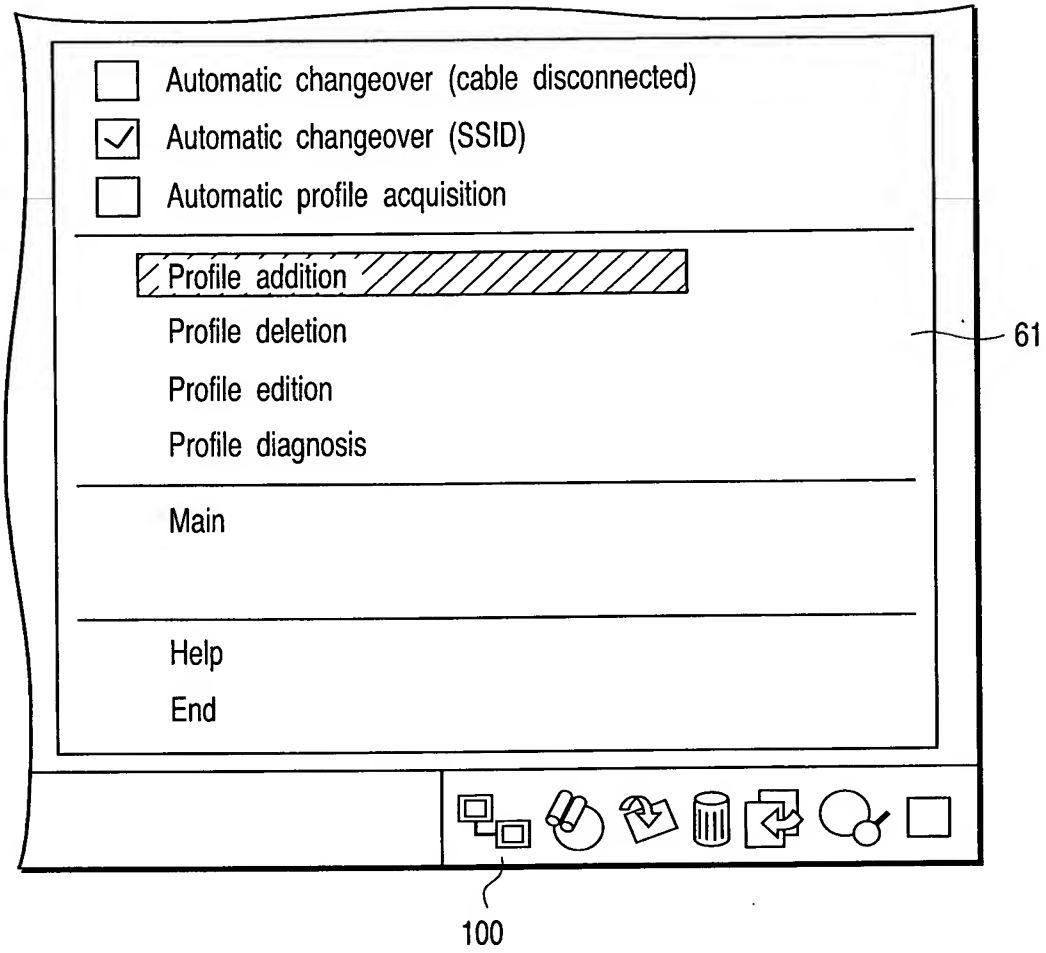
Automatic changeover (cable disconnected)
Automatic changeover (SSID)
Automatic profile acquisition
Profile addition
Profile deletion
Profile edition
Profile diagnosis
Main
Help
End
61
100

FIG. 6

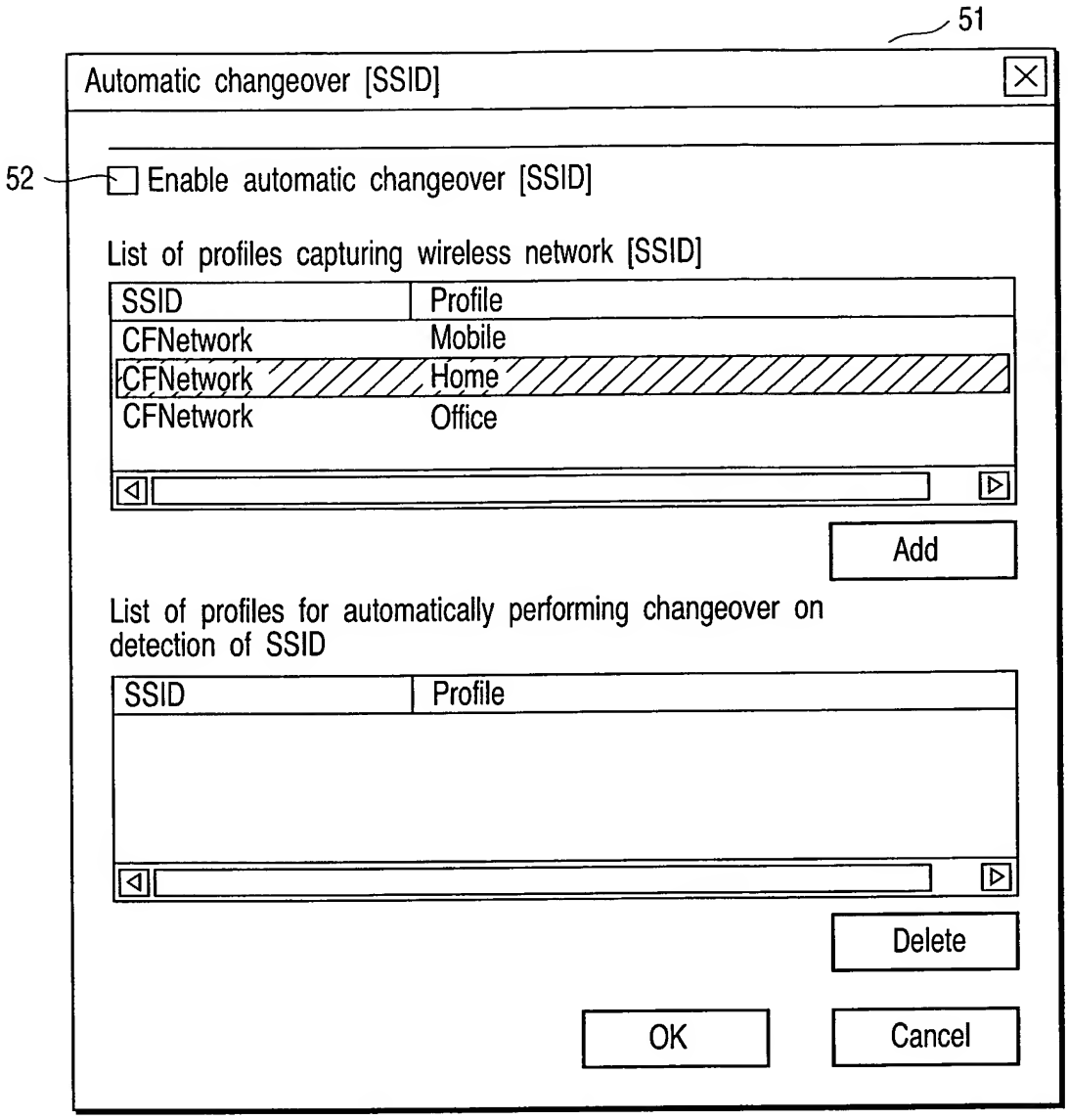
51
Automatic changeover [SSID]
52
Enable automatic changeover [SSID]
List of profiles capturing wireless network [SSID]
SSID
Profile
CFNetwork
Mobile
CFNetwork
Home
CFNetwork
Office
Add
List of profiles for automatically performing changeover on detection of SSID
SSID
Profile
Delete
OK
Cancel

FIG. 7

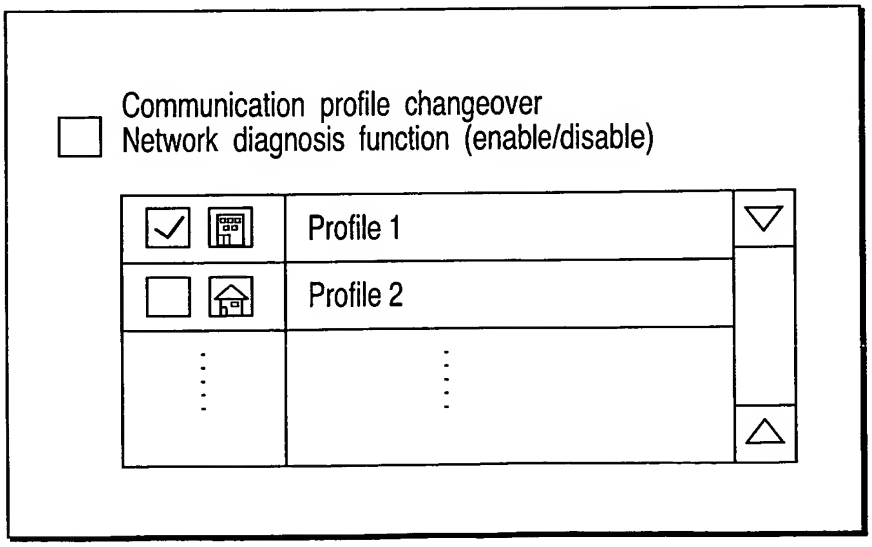
Communication profile changeover
Network diagnosis function (enable/disable)
Profile 1
Profile 2

FIG. 8